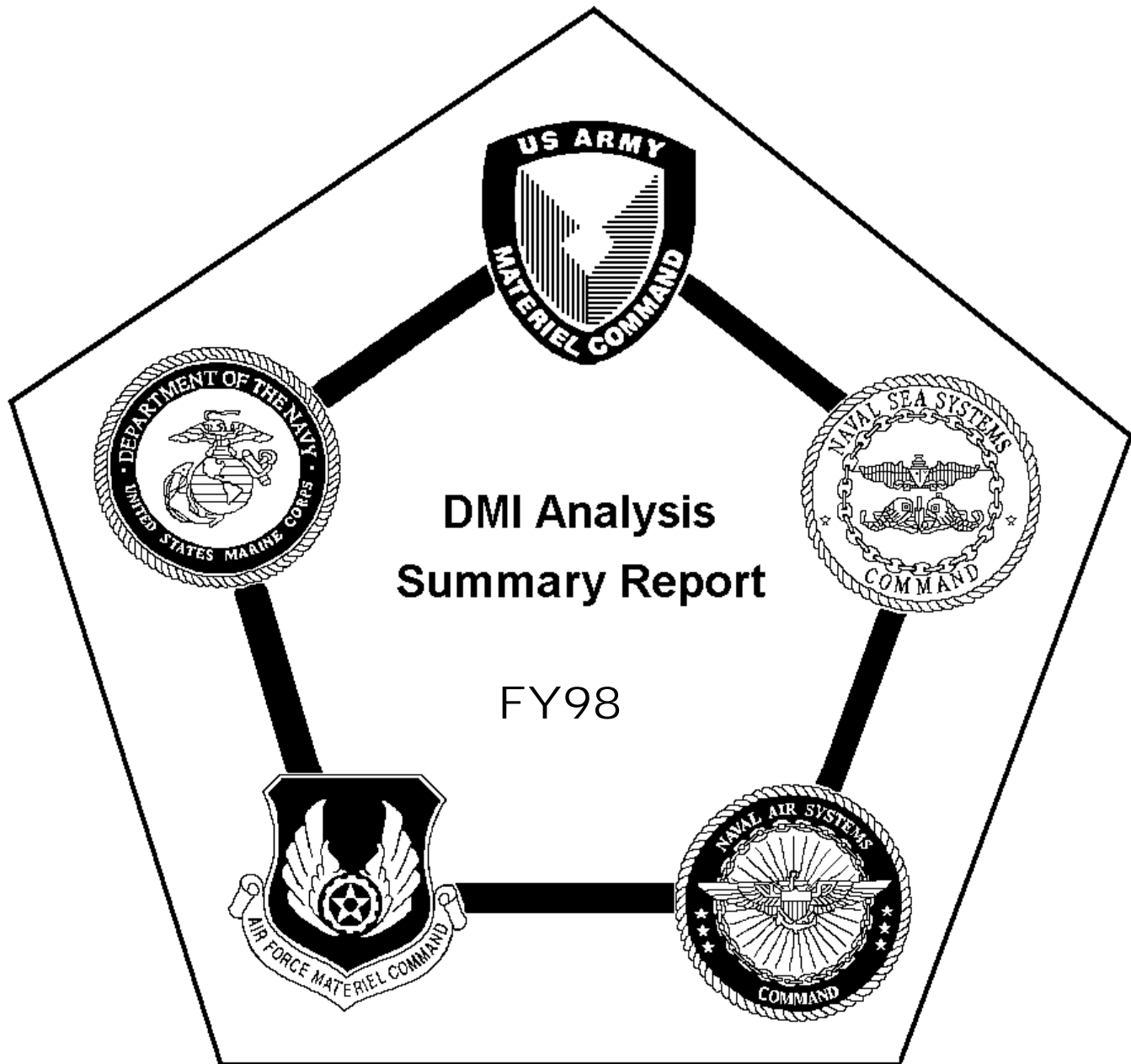


# Joint Service Depot Maintenance Interservicing



Prepared by: Joint Depot Maintenance Activities Group  
Depot Maintenance Analysis Division

# **Depot Maintenance Interservicing (DMI) Analysis Summary Report for Fiscal Year 1998**

**Prepared by:  
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## **DIRECTOR'S COMMENTS**

The Services submitted 25 systems for depot maintenance interservice (DMI) study during fiscal year 1998. JDMAG completed 38 DMI reviews during fiscal year 1998, of which 11 resulted in an interservicing assignment decision. No potential cost avoidances were identified. However, since fiscal year 1978, a total of 1,675 DMI studies have been initiated and 1,569 have been completed with a projected \$592.8M cost avoidance.

## INTRODUCTION

The purpose of this report is to provide a summary of Depot Maintenance Interservicing (DMI) studies completed during fiscal year 1998. The data in this report was compiled by the Depot Maintenance Analysis Division of the Joint Depot Maintenance Activities Group (JDMAG). This division, which is comprised of Army, Navy, and Air Force staff representatives, reviews candidate depot maintenance workloads and recommends depot source of repair (DSOR) assignments.

The primary objective of DMI studies is to facilitate joint depot maintenance assignment decision making in order to achieve the most cost effective support possible, consistent with the readiness requirements of the Services. Joint regulation OPNAVINST 4790.14, AMC-R 750-10, AFMCR 800-30, and MCO P4790.10A, Logistics Depot Maintenance Interservice, is the governing directive.

Under the joint regulation, all new acquisitions, including equipment modifications, which will require depot maintenance support, and all items moving to or from contract depot maintenance, must undergo a DMI review.

The acquiring Service is responsible for identifying and introducing the system or equipment for DMI review. For new acquisitions, submission should be made within 90 days after award of the Engineering and Manufacturing Development contract. For existing items, including non-developmental items, the introduction should be made when the investment requirement has been approved and budgeted.

The acquiring command Maintenance Interservice Support Office (MISO) and Service Maintenance Interservice Support Management Office (MISMO) review the introductory information and forward it to the JDMAG for recording and/or study.

Four types of DMI reviews are currently available and may be utilized in reaching a joint Service DSOR decision.

Directed Contract: Workloads for which a decision to assign depot maintenance to commercial sources has been made by higher authority. Such workloads are identified and documented by the acquiring Service. Joint Service DSOR assignment decisions will be recorded and announced by JDMAG upon receipt of appropriate documentation.

Service Workload Competition: Workloads for which the managing Service will conduct a competition to determine the DSOR. The results of competitions are submitted to the JDMAG for recording and announcement of the joint Service DSOR assignment decision.

MISMO Review: Workloads for which the managing Service has conducted its own review and recommended a DSOR assignment to the other Services. Upon the concurrence of the other Services, JDMAG will record and announce the joint Service DSOR assignment decision.

JDMAG DMI Study: Workloads which have not been identified as directed contract, Service workload competition, or MISMO review will be subjected to an analysis by JDMAG for potential interservice depot assignment. JDMAG may utilize either a summary level analysis or a comparative analysis in developing a DSOR recommendation which is submitted to the Services for decision. JDMAG records and announces the joint Service DSOR assignment decision upon receipt of all Service concurrences.

JDMAG announces the joint Service decision to the MISMOs by letter. The MISMOs, in turn, notify the responsible program offices and material managers of the decision and the requirement for implementation. JDMAG tracks implementation of interservice assignments at both the study level and component (item) level.

## **OVERVIEW OF THE YEAR**

Twenty-five DMI studies were initiated during fiscal year 1998. Table 1 displays these studies by work breakdown structure (WBS) and the Service submitting the workload for DMI review. Cumulative DMI study introductions, also displayed by WBS and introducing Service, for fiscal years 1978 through 1998 are shown in Table 2.

Thirty-eight studies were completed in fiscal year 1998. Table 3 shows yearly introductions, decisions and associated potential cost avoidances for fiscal years 1978-1998.

**TABLE 1**  
**DMI STUDIES FY98 INTRODUCTIONS**

<b>Equipment</b>		<b><u>USA</u></b>	<b><u>USN</u></b>	<b><u>USAF</u></b>	<b><u>USMC</u></b>	<b><u>Total</u></b>
<b><u>WBS</u></b>	<b><u>Category</u></b>					
100	Aircraft	2	6	1	0	9
200	Missiles	2	1	0	0	3
300	Ships	0	2	0	0	2
400	Combat Vehicles	2	0	0	0	2
500	Automotive	1	0	0	0	1
600	Construction	0	0	0	0	0
700	Electronics & Communications	2	1	0	1	4
800	Ordnance, Weapons & Munitions	1	0	0	0	1
900	General Purpose	1	2	0	0	3
	Totals	<u>11</u>	<u>12</u>	<u>1</u>	<u>1</u>	<u>25</u>

**TABLE 2**  
**DMI STUDIES FY78-98 INTRODUCTIONS**

<b>Equipment</b>		<b><u>USA</u></b>	<b><u>USN</u></b>	<b><u>USAF</u></b>	<b><u>USMC</u></b>	<b><u>Total</u></b>
<b><u>WBS</u></b>	<b><u>Category</u></b>					
100	Aircraft	116	238	344	0	698
200	Missiles	41	46	52	1	140
300	Ships	7	113	1	0	121
400	Combat Vehicles	50	2	1	4	57
500	Automotive	13	0	1	7	21
600	Construction	7	0	0	0	7
700	Electronics & Communications	233	90	196	46	565
800	Ordnance, Weapons & Munitions	19	7	2	3	31
900	General Purpose	20	5	7	3	35
	Totals	<u>506</u>	<u>501</u>	<u>604</u>	<u>64</u>	<u>1,675</u>

**TABLE 3**  
**DMI STUDIES**  
**FY1978-97 INTRODUCTIONS-DECISIONS-POTENTIAL COST AVOIDANCE**  
**(YEARLY)**

	<b><u>FY78</u></b>	<b><u>FY79</u></b>	<b><u>FY80</u></b>	<b><u>FY81</u></b>
<b>INTRODUCTIONS</b>	134	55	98	53
<b>DECISIONS</b>	14	70	76	60
<b>COST AVOIDANCE</b>	2.6	52.6	49.2	34.0
<b>(\$ MILLIONS)</b>				
	<b><u>FY82</u></b>	<b><u>FY83</u></b>	<b><u>FY84</u></b>	<b><u>FY85</u></b>
<b>INTRODUCTIONS</b>	62	224	143	103
<b>DECISIONS</b>	43	70	80	70
<b>COST AVOIDANCE</b>	15.0	13.0	24.5	59.4
<b>(\$ MILLIONS)</b>				
	<b><u>FY86</u></b>	<b><u>FY87</u></b>	<b><u>FY88</u></b>	<b><u>FY89</u></b>
<b>INTRODUCTIONS</b>	87	84	85	96
<b>DECISIONS</b>	232	101	102	107
<b>COST AVOIDANCE</b>	29.3	35.3	131.3	2.4
<b>(\$ MILLIONS)</b>				
	<b><u>FY90</u></b>	<b><u>FY91</u></b>	<b><u>FY92</u></b>	<b><u>FY93</u></b>
<b>INTRODUCTIONS</b>	74	93	75	28
<b>DECISIONS</b>	87	65	83	62
<b>COST AVOIDANCE</b>	48.2	11.0	9.4	29.5
<b>(\$ MILLIONS)</b>				
	<b><u>FY94</u></b>	<b><u>FY95</u></b>	<b><u>FY96</u></b>	<b><u>FY97</u></b>
<b>INTRODUCTIONS</b>	45	54	32	25
<b>DECISIONS</b>	61	49	54	45
<b>COST AVOIDANCE</b>	20.2	6.8	18.2	0.4
<b>(\$MILLIONS)</b>				
	<b><u>FY98</u></b>	<b><u>TOT</u></b>		
<b>INTRODUCTIONS</b>	25	1,675		
<b>DECISIONS</b>	38	1,569		
<b>COST AVOIDANCE</b>	0	592.8		
<b>(\$MILLIONS)</b>				

### **Clean Burn Diesel 4000 LB and 6000 LB Forklifts (86-0048)**

The Army introduced the Clean Burn Diesel 4000LB and 6000LB Forklifts for DMI study. The Army was the only known user. Subsequently, the maintenance concept changed to no depot repair required. The forklifts are instead repaired at Direct Support / General Support or below. Cancellation of the Clean Burn Diesel 4000LB and 6000LB Forklifts study was announced 18 Sep 98.

### **M488 10K Rough Terrain Forklift (86-0052)**

The Army introduced the M488 10K Rough Terrain Forklift for DMI study. The Army was the only known user. Subsequently, the maintenance concept changed to no depot repair required. The forklifts are instead repaired at Direct Support / General Support or below. Cancellation of the M488 10K Rough Terrain Forklift study was announced 18 Sep 98.

### **AN/USC-42 (V) Miniaturized DAMA UHF Satellite Communications Set (90-0023)**

The AN/USC-42 (V) Miniaturized Demand Assigned Multiple Access (DAMA) Ultra High Frequency (UHF) Satellite Communications Set was submitted by the Navy for DMI study. The AN/USC-42 (V) set is only used in Navy aircraft, submarines, ships, and shore platforms to exchange secure and non-secure battle group coordination data, tactical data and voice between base-band processing equipment. Applications are command and control, targeting and intelligence nets in support of anti-submarine warfare, anti-strike-surface warfare, anti-air warfare and amphibious warfare. The Navy plans on acquiring a total of 131 sets. A summary study resulted in a joint Service decision for the Navy to utilize contract depot maintenance. The joint Service decision was announced 14 Jul 98.

### **AN/FSQ-163 (910033-1) and AN/FSQ-164 (910033-2) Submarine Satellite Information Exchange Subsystems**

The Navy introduced the AN/FSQ-163 and AN/FSQ-164 for DMI study. These two subsystems, located ashore at submarine control centers, provide a communications gateway for secure information exchange between submarines and shore commands. The Navy is the only user of the AN/FSQ-163 and AN/FSQ-164 subsystems. The Navy plans to acquire a total of 13 of these subsystems. A summary study resulted in a recommendation that Space and Naval Warfare Systems Center, San Diego, CA, be assigned the DSOR. Although interservicing was documented in these studies, the items were in current inventories and the relationships were existing, thus no cost avoidance was identified. The joint Service decision was announced 25 Aug 98.

#### **F-15E Mobile Electronic Test Set (91-0034)**

The Air Force submitted the F-15E Mobile Electronic Test Set for DMI study. Subsequently, the Air Force requested the DMI study be terminated because this support equipment is not being procured. Termination of this DMI study was announced 28 May 98.

#### **AN/ASN-137 Lightweight Doppler Navigation System (92-0029)**

The Army introduced the AN/ASN-137 Lightweight Doppler Navigation System for DMI review. The AN/ASN-137 is a self-contained airborne radar navigation set which determines the three orthogonal components of aircraft velocity from measurements of Doppler frequency shifts. The AN/ASN-137 computes bearing, time and distance to selected destinations. The Army and the Air Force use the AN/ASN-137. JDMAG conducted a summary DMI review of the AN/ASN-137 and recommended assignment to Tobyhanna Army Depot, Tobyhanna, PA. The joint Service decision was announced 17 Aug 98. No cost avoidance resulted because the interservice relationship was pre-existing.

#### **OH-58D Helicopter Audio Distribution Unit (92-0036)**

Introduced by the Army for DMI review, the OH-58D Helicopter Audio Distribution Unit (ADU) provides audio junction matching, amplifying isolation, and system control audio tone generation aboard the OH-58D helicopter. The Army is the sole user and plans for a total procurement of 375 units. A summary DMI study resulted in a recommendation to assign the OH-58D Helicopter Audio Distribution Units to Tobyhanna Army Depot, Tobyhanna, PA, for depot maintenance support. The joint Service decision was announced 20 May 98.

#### **AN/GSM-345 Aircraft Radar Test Set (92-0050)**

The Air Force submitted the AN/GSM-345 Aircraft Radar Test Set for DMI study. Subsequently, the Air Force requested the DMI study be terminated because this support equipment is not being procured. Termination of this DMI study was announced 28 May 98.

#### **AN/ASM-673 Magnetic Compass Calibrator Set (92-0056)**

The Navy introduced the AN/ASM-673 Magnetic Compass Calibrator Set for DMI study. It is a portable test set designed to provide an accurate magnetic heading reference for the alignment of instrumentation regarding aircraft position. The Navy is the only user of the AN/ASM-673,

procuring a total of 157 sets. JDMAG completed a summary DMI study and recommended the AN/ASM-673 be assigned to the Naval Aviation Depot, Cherry Point, NC, except for the DT-354/ASM-344 Magnetic Detector Assembly which was previously assigned to the Tobyhanna Army Depot, Tobyhanna, PA. The joint Service decision was announced 24 Apr 98.

#### **AH-1W Night Targeting System (93-0004)**

The Navy submitted the AH-1W Night Targeting System (NTS) for DMI study. The AH-1W NTS is a missile fire control system that was designed as a modification to the existing M65/M65L Telescopic Sight Unit. The system provides the helicopter flight crew the capability to detect, acquire, track, range, and designate targets under day, night, and adverse weather conditions. A total of 277 systems will be procured. A summary DMI study resulted in a joint Service decision for the Navy to utilize contract depot maintenance based on the lack of technical data and the large cost required to establish an organic repair capability. The joint Service decision was announced 15 Jan 98.

#### **AAU-34B/A and AAU-34C/A Solid State Barometric Altimeters (93-0010)**

The Navy introduced the Solid State Barometric Altimeters (SSBA) for DMI study. The SSBA is used by the Navy and Air Force as a primary flight instrument that provides altitude information above mean sea level. The display consists of a liquid crystal display and conventional electromechanical pointer and dial assembly. The Navy plans to procure 294 and the Air Force 191, for a total of 485 altimeters. The JDMAG conducted a summary DMI study, recommending the Navy and Air Force SSBA depot maintenance be assigned to the Navy for contract support. No cost avoidance was identified due to the planned contract support. The joint Service decision was announced 26 Mar 98.

#### **AN/USQ-122A(V) Ship/Shore Communications System (94-0003)**

The Navy introduced the AN/USQ-122A(V) Ship/Shore Communications System for DMI review. The Navy is the only user and plans a total inventory of 86 systems. The system is used for satellite and high frequency (HF) broadcast processing and is part of the high-speed fleet broadcast system. The AN/USQ-122A(V) replaces existing Navy AN/UCC-1, AN/URA-17, AN/FCC-66, and AN/SRR-1 equipment. A summary DMI study recommended the AN/USQ-122A(V) Ship/Shore Communications System be assigned to the Navy for depot maintenance support by a commercial source. The joint Service decision was announced 24 Jun 98.

#### **AN/SLR-24 Countermeasures System (94-0007)**

The Navy introduced the AN/SLR-24 Countermeasures System for DMI study. Subsequently, the Navy requested the DMI study be terminated because the system is not being procured. Termination of this DMI study was announced 8 Jun 98.

#### **AN/ASM-668A Program Loader-Verifier (94-0008)**

The Air Force introduced the AN/ASM-668A Program Loader-Verifier for DMI study. Subsequently, the Air Force requested termination of the DMI study because this support equipment is not being procured. Termination of this DMI study was announced 28 May 98.

#### **High Power, High Frequency Radio System Modernization (Scope Command) (94-0022)**

The High Power, High Frequency Radio System Modernization (Scope Command) was introduced by the Air Force for DMI review. The Air Force is the only user and plans for a total inventory of 14 systems. The Scope Command system consists of commercial-off-the-shelf (COTS) equipment. It will be used to provide global coverage of high frequency communication to allow air-to-ground, ground-to-ground, point-to-point, ship-to-shore, and phone patch services. Scope Command will replace Scope Pattern, Scope Control, and Scope Signal III systems. A summary DMI study resulted in a joint Service decision to assign the Scope Command to the Air Force for depot maintenance support by a commercial source. The joint Service decision was announced 12 Nov 97.

#### **TOW Improved Target Acquisition System (95-0009)**

The Army introduced the Tube-launched, Optically-tracked, Wire-guided (TOW) Improved Target Acquisition System (ITAS) for DMI study. The Army is the only user and plans to acquire 1,168 systems. The TOW ITAS is a technology insertion program, which will upgrade the current ground acquisition and fire control systems. It consists of a new target acquisition unit which contains a second generation forward looking infrared sensor, a new fire control unit, a new battery power supply, and a modified traversing unit. The Army plans for the contractor to provide depot maintenance, as well as configuration control, as long as acceptable performance is maintained. A summary DMI study resulted in a joint Service decision for the Army to utilize contract depot maintenance. The joint Service decision was announced 7 Sep 97.

### **AN/USC-38A(V)3 Navy EHF Satellite Communications Terminal (95-0010)**

The Navy introduced the AN/USC-38A(V)3 Navy Extremely High Frequency (EHF) Satellite Communications Terminal (SATCOM) for DMI study. The AN/USC-38A(V)3 EHF SATCOM is a general purpose communications terminal designed to accommodate a wide variety of applications such as secure voice, teletype, data and fleet broadcast, on surface ships, submarines and fixed shore sites. The AN/USC-38A(V)3 is an updated version of the AN/USC-38(V)3. The updated AN/USC-38A(V)3 will provide improved terminal transmit capability at data rates of 4800 and 9600 bits per second. Because the earlier AN/USC-38(V) version had been previously studied and assigned, this study only included those repairable items that are peculiar to the improved AN/USC-38A(V)3 version. The Navy is the only user. A total inventory of six terminals is planned. A summary DMI study resulted in a joint service decision to assign the AN/USC-38A(V)3 EHF SATCOM upgrade to the Space and Naval Warfare Systems Center, San Diego, CA. The joint Service decision was announced 24 Jun 98.

### **AC-130U Gunship Communication Management System (950012-13)**

The Air Force introduced the AC-130U Gunship Communication Management System (CMS) for DMI study. The Air Force is the only using Service. Each of the Air Force's 13 AC-130U Gunships which support the Special Operations Forces is equipped with a CMS. The AC-130U CMS provides central control for the communication (except HF) and navigation radios as well as for the beacon and identification friend-or-foe devices via four control display units. The JDMAG conducted a summary DMI study which recommended assigning the workload to contract. The joint Service decision was announced 1 Jul 98.

### **AN/BRA-6B Antenna Tuning Group (95-0030)**

The Navy introduced the AN/BRA-6B Antenna Tuning Group for DMI study. The AN/BRA-6B provides emergency-use whip antennas for 2-30 Mhz high frequency (HF) transmitters or receivers. The antennas have a maximum power input of 1000 watts. The Navy is the only user and plans to acquire a total of 85 groups for use on submarines. A summary DMI study was conducted with JDMAG recommending assignment to the Portsmouth Naval Shipyard, Portsmouth, NH. The joint Service decision was announced 4 Nov 97.

### **AN/TSQ-199 Special Purpose Receiving System (Enhanced Trackwolf) (96-0001)**

The Army submitted the AN/TSQ-199 Special Purpose Receiving System (Enhanced Trackwolf) for DMI review. The Army is the sole user and plans to procure only one system. The Enhanced Trackwolf is a Signals Intelligence (SIGINT) system that demodulates, identifies, and

locates transmitters and provides analysis reports. It consists of 90 percent commercial off-the-shelf equipment and non-developmental items. The AN/TSQ-199 system uses the KIV-7 encryption-decryption equipment, which is a Federal Supply Class (FSC) 5810 item. The FSC 5810 Depot Maintenance Interservice Working Group (DMIWG) assigned KIV-7 depot support to a commercial source; however, the Army will not manage a joint maintenance contract, and each Service must arrange their own support for the KIV-7. A summary DMI study resulted in a recommendation to assign the AN/TSQ-199 to the Army for support by a commercial source except for the AN/PSN-11 Global Positioning System Receiver which was previously assigned to the Air Force for contract support and two items previously assigned to the Tobyhanna Army Depot, Tobyhanna, PA. No cost avoidance was identified due to the pre-existing relationships. The KIV-7 will be supported contractually as assigned by the 5810 DMIWG. The joint Service decision was announced 30 Jul 98.

#### **M270A1 MLRS Improved Fire Control System (960011-01)**

The Army submitted the M270A1 Multiple Launch Rocket System (MLRS) Improved Fire Control System (IFCS) for DMI study. The Army is the only user and plans to procure a total of 797 units. The M270A1 IFCS uses the Global Positioning System (GPS) circuitry to provide accurate vehicle location data to the launcher crew and fire control system. Also, the M270A1 IFCS system has interface capability for use with the AN/CYZ-10 Data Transfer Device to allow transfer of GPS code data. A summary DMI study was conducted. The joint Service decision to assign the M270A1 MLRS IFCS to Letterkenny Army Depot, Chambersburg, PA, except for five repairable items which are planned for contract, was announced 30 Jun 98.

#### **Navy Satellite Control Station Interface Unit (96-0017)**

The Navy introduced the Navy Satellite Control Station Interface Unit for DMI study. The Navy is the only user and plans to procure 16 production units. The interface unit is a multitasking, real-time system that provides the physical hardware interface and embedded software required to transfer command, tracking, and range data between the Air Force Satellite Control Network and the Navy Satellite Control Network. A summary DMI study resulted in a recommendation to assign the depot repair to the Space and Naval Warfare Systems Center, Charleston, SC. The joint Service decision was announced 23 Mar 98.

#### **MK19 Mod 3 40 mm Grenade Machine Gun (96-0022)**

The Army introduced the MK19 Mod 3 40 mm Grenade Machine Gun for DMI restudy. Subsequently, the Army decided to pursue a MISMO review for assignment of the MK19 and therefore requested the DMI study be cancelled. The DMI study was terminated 7 Oct 97.

However, the MK 19 Mod 3 was resubmitted for DMI review later in fiscal year 98. The study remained open at the close of the fiscal year.

#### **AN/USC-55 Tactical Command System (96-0025)**

The Army introduced the AN/USC-55 Tactical Command System for DMI study. The AN/USC-55, formerly known as the Joint Tactical Terminal Three-Channel (CTT3), is a secure electronic counter-counter measure (ECCM) intelligence terminal. The AN/USC-55 operates with both the Army Guardrail/Common Sensor (GR/CS) and the Air Force Contingency Airborne Reconnaissance System (CARS) and provides simultaneous three-channel receiving and processing functions for joint Service tactical and national intelligence dissemination networks. The system will be used by the Army, Navy and the Marine Corps. The Army plans to buy 86 assets, 42 are designated for the Army, 26 for the Marine Corps and 18 for the Navy. A summary DMI study resulted in a recommendation for the Army to utilize contract depot maintenance since the government will not have configuration control and not finding an existing organic depot source of repair. The Army will provide contract interservice support to the Navy and Marine Corps. No cost avoidance was identified due to planned contract support. The joint Service decision was announced 7 Jan 98.

#### **AN/TYQ-69 Communications Control Set (97-0001)**

The Army introduced the AN/TYQ-69 Communications Control Set for DMI study. The Army is the only AN/TYQ-69 user and plans to procure 14 sets. The AN/TYQ-69 provides message switching and gateway input/output processing in a variety of common formats. It is inter-operable with long and short haul, satellite, wireless radio, telephone, and land line equipment with channel patching to cryptological devices. The AN/TYQ-69 is an interim system fielded to satisfy an urgent requirement for a transit-configured, rapidly deployable message switch until the tactical Defense Message System (DMS) is fielded. The AN/TYQ-69 is a nondevelopmental item and because of the limited life, no data was acquired. The original equipment manufacturer will provide depot maintenance services for the life of the equipment. A summary DMI study resulted in a JDMAG recommendation for the Army to utilize contract depot maintenance. The joint Service decision was announced 24 Mar 98.

#### **AN/AAQ-26 Infrared Detecting Set (97-0007)**

The Air Force introduced the AN/AAQ-26 Infrared Detecting Set for DMI study. The Air Force is the only user. The AN/AAQ-26 is an airborne infrared surveillance system that provides visual presentations of terrestrial objects for the AC-130 Gunship. The AN/AAQ-26 will be acquired by modifying 38 existing AN/AAQ-17 Infrared Detecting Set assets. An Air Force cost

benefit analysis determined contract depot repair to be more cost effective than organic repair for the AN/AAQ-26. A summary DMI study resulted in a JDMAG recommendation for the Air Force to contract depot maintenance. The joint Service decision was announced 5 Dec 97.

#### **AN/TYQ-67(V) Digital Topographic Support System (97-0013)**

The Army introduced the AN/TYQ-67(V) Digital Topographic Support System for DMI study. The AN/TYQ-67(V) provides terrain analysis and quick reproduction of large format multicolor topographic products. The Army is the only known user of the AN/TYQ-67(V) and plans to acquire 18 systems. JDMAG conducted a summary study and recommended the AN/TYQ-67(V) unique components be assigned to the Army for contract support excluding the STU-III Secure Telephone for which each Service will support its own assets contractually. The joint Service decision was announced 16 Dec 97.

#### **AN/TYQ-48A Digital Topographic Support System (97-0015)**

The Army introduced the AN/TYQ-48A Digital Topographic Support System for DMI study. This system provides terrain analysis and quick reproduction of large format multicolor topographic products. The Army is the only user of the AN/TYQ-48A and plans to acquire nine systems. JDMAG conducted a summary study and recommended the AN/TYQ-48A unique components be assigned to the Army for contract depot maintenance. The joint Service decision was announced 28 Oct 97.

#### **Satellite Signals Navigation Set (97-0016)**

The Marine Corps submitted the Satellite Signals Navigation Set (SSNS) for DMI study. The SSNS utilizes a Global Positioning System (GPS) receiver to determine artillery positions and to develop maps. The Marine Corps and Army both use the SSNS. The Army will acquire 131 systems, including 38 for the Defense Mapping Agency, and the Marine Corps will acquire 100. JDMAG conducted a summary study of the SSNS and recommended assignment to the Marine Corps for contract support. The Marine Corps will also provide contract support to the Army. No cost avoidance was identified due to planned contract support. The joint Service decision was announced 30 Dec 97.

### **AN/PSQ-9 Team Portable Communications Intelligence System (97-0017)**

The Marine Corps introduced the AN/PSQ-9 Team Portable Communications Intelligence System for DMI study. The AN/PSQ-9 is a tactical lightweight man-packable, team-transportable communications intelligence (COMINT) system comprised of low density components, equipment, and software. The Marine Corps is the only user of AN/PSQ-9 and will acquire a total of 11 systems. JDMAG conducted a summary study which resulted in a recommendation for contract depot maintenance except for two items. One item was recommended to remain as previously assigned to the Marine Corps Logistics Base (MCLB) Albany, GA, and another item was recommended to be assigned to Tobyhanna Army Depot, Tobyhanna, PA, based on existing capability. No cost avoidance was identified. The joint Service decision was announced 3 Mar 98.

### **AN/TYQ-72(V)1 and (V)2 Computer Graphics Workstation (97-0020)**

The AN/TYQ-72(V)1 and (V)2 Computer Graphics Workstations were submitted by the Army for DMI study. The Army is the only user and the AN/TYQ-72(V)1 and (V)2 will be used for the All Source Analysis System enclave. The system is comprised of commercial-off-the-shelf (COTS) automatic data processing (ADP) type equipment. The Army plans for an inventory of 84 workstations. JDMAG conducted a summary study which recommended that the depot source of repair for the AN/TYQ-72(V)1 and (V)2 workstations be assigned to Tobyhanna Army Depot, Tobyhanna, PA, except for selected circuit card assemblies which will be supported by a commercial source. The joint Service decision was announced 24 Jun 98.

### **A/M42M-2A Portable Floodlight Set (98-0001)**

The Navy introduced the A/M42M-2A Portable Floodlight Set for DMI review. The floodlight set is used for aircraft maintenance, loading and unloading of aircraft cargo, and for emergency lighting. The Navy is the only known user of the A/M42M-2A, and plans to acquire 450 sets. JDMAG conducted a summary study and recommended that the A/M42M-2A be assigned to contract depot maintenance. The joint Service decision was announced 7 Jan 98.

### **Patriot Missile System Electric Power Plant III (98-0002)**

The Army submitted the Patriot Missile System Electric Power Plant III (EPP III) for DMI study. The EPP III will provide power to the Patriot Missile System. The EPP III consists of two independent three-phase 150 KW generator sets and a power distribution unit. The generator sets are powered by an eight-cylinder, air-cooled, diesel engine. The Army is the only using Service and plans to procure 78 systems. JDMAG conducted a summary DMI study and recommended

Letterkenny Army Depot, Chambersburg, PA, as the depot source of repair. The joint Service decision was announced 4 Nov 97.

#### **Multiplexer Integration Digital Communication Satellite Subsystem (98-0005)**

The Multiplexer Integration Digital Communication Satellite (MIDAS) Subsystem was submitted by the Army for DMI study. The MIDAS represents state-of-the-art, baseband, gateway technology replacing discrete legacy equipment. It will reduce box-level functions to card-level functions thus reducing hardware volume and will include host cards on a common interconnect bus with electronic patching and central control. The MIDAS will maintain interoperability with current and new commercial technology. The MIDAS will be used with the Digital Communications Satellite System. The system is used by the Army, Air Force, and the Navy. The Army plans to buy 40 assets, 15 are designated for the Army, 15 for the Air Force, 9 for the Navy and 1 for the Joint Chiefs of Staff. The Army plans life-cycle contractor depot support by the original equipment manufacturer. JDMAG conducted a summary DMI study which resulted in a recommendation for contract depot maintenance based on not finding an existing organic depot source of repair. The Army will provide interservice contract support to the Navy and Air Force. No cost avoidance was identified due to planned contract support. The joint Service decision was announced 24 Apr 98.

#### **SA-2742 BSC and SA-2743 BSC Submarine Baseband Circuit Switching Unit (98-0008)**

The Navy submitted the SA-2742 BSC (Red) and SA-2743 BSC (Black) Submarine Baseband Circuit Switching (SBCS) Unit, Digital-Audio Signals for DMI study. The SBCS Red switch provides selectable connections between the unencrypted inputs/outputs of terminal equipment and the unsecured side of communication security (COMSEC) devices. The Black switch provides a connection between encrypted inputs/outputs of COMSEC devices and support equipment, such as controllers, multiplexes, and radio receivers/transmitters. The Navy is the only using Service and plans to procure 60 each Red and Black switches to be used in submarines. A summary DMI study was conducted with the joint Service decision on 2 Apr 98 announcing assignment to contract.

#### **F-15E Ammunition Container Assembly (98-0009)**

F-15E Ammunition Container Assembly was submitted by the Air Force for DMI study. The F-15E Ammunition Container Assembly is loaded or downloaded with ammunition which it delivers to the F-15E 20mm gun through a hand-off unit. The Air Force is the only user with plans to procure 223 items. An Air Force life-cycle cost analysis determined that contract depot support was more cost effective than organic support for this system. A summary DMI study

resulted in a recommendation for the Air Force to contract the depot maintenance. The joint Service decision was announced 5 May 98.

#### **AN/PYQ-3(V) Digital Computer System (98-0019)**

The Army introduced the AN/PYQ-3(V) Digital Computer System for DMI review. Referred to as the Counter-Intelligence/Human-Intelligence Automated Test Set (CHATS), the AN/PYQ-3(V) provides counter-intelligence personnel with the capability to gather, maintain and rapidly transmit and receive data. The AN/PYQ-3(V) consists of a notebook type computer, scanner, printer, and digital camera in a case. The system is commercial-off-the-shelf (COTS) automated data processing (ADP) equipment. The Army is the sole user of the AN/PYQ-3(V) and has procured 216 systems. An additional 187 systems will be procured, however, the configuration will not be identical due to rapidly changing ADP technology and availability. A summary DMI study was conducted which resulted in a recommendation to assign depot support for the AN/PYQ-3(V) to a commercial source. The joint Service decision was announced 24 Aug 98.